

KMETIK, Petr Iosifovich; MEREZHKO, Vasiliy Grigor'yevich; USTINOV, Nikolay Petrovich; Primal uchastiye SHCHERBACHEVICH, G.S., inzh.; UGLINSKIY, A.Ya., inzh., retsenzent; BONDARENKO, M.D., inzh., retsenzent; TEREKHOV, V.M., inzh., retsenzent; KONOVALOV, S.Ye., inzh., retsenzent; SOLANIN, V.V., inzh., red.; KHITROV, F.A., tekhn. red.

[Organization of the operation, maintenance and repair of diesel locomotives] Organizatsiia teplovoznogo khoziaistva. Moskva, Transzheldorizdat, 1962. 197 p. (MIRA 15:9)  
(Diesel locomotives—Maintenance and repair)

KOCHUROV, Yuriy Dmitriyevich; MOREV, Petr Georgiyevich; MART'YANOV,  
Mikhail Mikhaylovich; SHAPROV, Mikhail Fedorovich; KLYUYEVSKIY,  
Fedor Mikhaylovich; BLIDCHENKO, I.F., inzh., retsenzent;  
GRISHIN, K.S., inzh., retsenzent; IVANOV, S.N., inzh., retsen-  
zent; KUZINA, Z.P., inzh., retsenzent; MUSAL'YAN, A.T., inzh.  
retsenzent; SAL'MAN, R.V., inzh., retsenzent; SOBAKIN, V.V.,  
inzh., red.; USENKO, L.A., tekhn. red.

[Manual for the personnel of chemical and technical laboratories  
in the field and at depots] Rukovodstvo rabotnikam dorozhnykh i  
depovskikh khimiko-tekhnicheskikh laboratorii. Izd.2., ispr. i  
dop. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei  
soobshcheniia, 1962. 211 p. (MIRA 15:4)  
(Railroads--Equipment and supplies)  
(Engineering laboratories)

BABICHKOV, Abram Mikhaylovich, prof.; YEGORCHENKO, Valentin Filippovich.  
Prinimali uchastiye: NOVIKOV, A.P., dots.; ABRASHIN, I.I., inzh.;  
BABICHKOV, V.A., dots.; KOROSTYLEV, A.I., inzh., retsenzent;  
MOROZOV, M.A., inzh., retsenzent; SOBAKIN, V.V., inzh.red.; BOBROVA, Ye.N.,  
tekh.red.

[Train traction and the use of specialized electronic computers  
for traction calculations] Tiaga poezdov i primeneniye spetsializirovannykh elektronnykh vychislitel'nykh mashin dlia tiagovykh raschetov. Izd.4., dop. i perer. Moskva, Transzheldorizdat, 1962.  
262 p. (MIRA 15:6)

(Electronic calculating machines) (Locomotives)

VORONOV, Nikolay Mikhaylovich; BLIDCHENKO, Ignatiy Fedorovich;  
GONCHAROV, Viktor Mikhaylovich; LOBANOV, Vasilii  
Vasil'yevich; MERKUR'YEV, Gennadiy Dmitriyevich;  
BLAGOVIDOV, I.F., kand. tekhn. nauk, retsenzent; EMINOV,  
Ye.A., inzh., retsenzent; GROMOV, G.N., inzh., retsenzent;  
LOSIKOV, B.V., prof., red.; SOBAKIN, V.V., inzh., red.;  
MEDVEDEVA, M.A., tekhn. red.

[Petroleum fuel and lubricants in railroad transportation;  
handbook] Neftianoe toplivo i smazochnye materialy na  
zheleznodorozhnom transporte; spravochnik. Moskva, Trans-  
zheldorizdat, 1962. 322 p. (MIRA 16:6)  
(Petroleum products) (Railroads--Fuel)

KHRAPOV, Mitrofan Nikolayevich; LAPUSHKIN, Sergey Alekseyevich;  
DOLGANOV, A. N., inzh., retsenzent; SOBAKIN, V. V., inzh.,  
red.; VOROTNIKOVA, L. F., tekhn. red.

[Locomotive tests on the line] Opytnye poezdki s lokomotivami.  
Moskva, Transzheldorizdat, 1963. 183 p. (MIRA 16:3)  
(Locomotives--Testing)

BELKIN, Aleksandr Stepanovich, inzh.; GRIKOV, V.A., inzh., retsenzent;  
SOBAKIN, V.V., inzh., red.; KHITROVA, N.A., tekhn. red.

[Handbook on switching engines, automatic, and motorcars]  
Spravochnik po motovozam, avtodrezinam i motodrezinam. Izd.2.,  
ispr. i dop. Moskva, Transzheldorizdat, 1963. 190 p.  
(MIRA 16:5)

(Locomotives) (Railroad motorcars)

RUDAYA, I.I.; DROZDOV, A.L., inzh. retsenzent; BULATOV, B.N., inzh.,  
retsenzent; SOBANKIN, V.V., inzh., red.; MEDVEDEVA, M.A.,  
tekhn. red.

[Electrical equipment of diesel locomotives] Elektricheskoe  
oborudovanie teplovozov. Izd.2. Moskva, Transzheldorizdat,  
1963. 271 p. (MIRA 16:10)  
(Diesel locomotive--Electric equipment)

MEREZHKO, V.G.; YELISEYEV, P.M., inzh., retsenzent; TROFIMOV, S.I.,  
inzh., red.; SOBAKIN, V.V., inzh., red. [deceased]

[Mechanization of the repair of locomotives in a depot] Me-  
khanizatsiia remonta lokomotivov v depo. Moskva, Izd-vo  
"Transport," 1964. 198 p. (MIRA 17:5)

RIZHICHKOV, Vasilii Ivanovich; REDNIKOV, Vsevolod Anatol'yevich;  
SOBAKIN, V.V., red. [deceased]; MEL'NIKOV, V.Ye., red.

[Weight-lifting rail cranes; design, operation and repair]  
Gruzopod"emnye krany na zheleznodorozhnom khodu; ustroistvo,  
ekspluatatsiia i remont. Izd.2., dop. i perer. Moskva,  
Transport, 1964. 455 p. (MIRA 17:6)

ACC NR: AT6033998

SOURCE CODE: UR/3227/64/003/000/0138/0142

AUTHOR: Mel'nikov, Yu. S.; Sobakin, Ye. L.

ORG: none

TITLE: Semiconductor-type rpm-meter for wound-rotor induction motors

SOURCE: Tomsk. Institut radioelektroniki i elektronnoy tekhniki. Trudy, v. 3, 1964, 138-142

TOPIC TAGS: induction motor, automatic control system, rpm meter

ABSTRACT: To eliminate space-requiring tachometer constructions, and drawbacks associated with parametric tachometric devices, the measurement of rotor-current frequency, which is linearly connected with the motor rpm, is suggested. To this end, a resistor is introduced into the rotor circuit, and the voltage drop across this resistor is used as a source signal applied to a transistorized amplifier. A principal circuit diagram of this amplifier is shown, and its operation is explained. Claimed advantages: no contacts, no mechanical attachments to the motor, no rotating parts. Disadvantage: high amplifier gain needed as the source signal is small. Orig. art. has: 3 figures and 6 formulas.

SUB CODE: 09 / SUBM DATE: none / ORIG REF: 001

Card 1/1

Determination of the isotopic ...

S/089/62/013/003/005/007  
B102/B104

was calculated from the ionization current and  $k$ , the latter being a function of the end-point energy. As an example, the analytical data of a gas sample containing 6%  $Xe^{133}$ , 25%  $Xe^{135}$  and 69%  $A^{41}$  are given. There are 3 figures.

SUBMITTED: February 2, 1962

Card 2/2

POPOVA, T.A., SOBAKINA, A.N.

Hematoma in a child. Nov.khir.arkh. no.1:71 Ja-F '58 (MIRA 11:11)

1. Sverdlovskiy meditsinskiy institut.  
(HEMATOMA)

CHERTKO, V.F.; IOFFE, Ya.A.; OBOLENSKIY, K.P.; KRYLOV, F.N.; KUDROV, V.M.; SAM-  
BORSKIY, G.I.; KOSTAKOV, V.G.; LITVYAKOV, P.P.; MURONTSEV, M.N.; BERRI,  
L.Ya.; YAKOBI, A.A.; BELOUSOV, R.A.; BOGOMOLOV, O.T.; POKATAYEV, Yu.N.;  
ZAGLADINA, S.M.; SOBAKINSKIKH, V.I.; NIKOLAYEV, D.N., red.; PONOMAREVA,  
A.A., tekhn. red.

[United States is loosing the economic competition] SShA proigryvaiut  
ekonomicheskoe sorevnovanie. Moskva, Izd-vo ekon. lit-ry, 1961.  
295 p. (MIRA 14:8)

1. Moscow. Nauchno-issledovatel'skiy ekonomicheskii institut. 2. Sotrud-  
niki Nauchno-issledovatel'skogo ekonomicheskogo instituta Gosekonom-  
soвета SSSR (for all except : Nikolayev, Ponomareva)  
(United States--Economic conditions)  
(Russia--Economic conditions)

SOPAKINSKIKH, V. I.

Dissertation defended for the degree of Candidate of Economic Sciences at the  
Institute of World Economics and International Relations, 1962

"Several Problems in the Method of Comparing Economic Indices of the Agricultures of  
the USSR and the US."

Vestnik Akad. Nauk, No. 4, 1963, pp 119-115

SOBAIA, J.

Diagrams of the amount of stone dust for workings, the number of shelves, and the amount of stone dust in the barrier. p. 112.

PRZEGLAD GORNICZY. Stowarzyszenie Naukowo-Techniczne Inzynierow i Technikow Gornictwa. Katowice, Poland, Vol. 15, No. 3, March, 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September, 1959.  
Uncl.

SOBAKINSKIKH, Viktor Ivanovich; LEHIKOVA, Ye., red.; KIRSANOVA, I.,  
mlad. red.

[Comparative economic indexes on the development of the  
agriculture of the U.S.S.R. and the U.S.A.] Sopostavlenie  
ekonomicheskikh pokazatelei razvitiia sel'skogo khoziaistva  
SSSR i SShA. Moskva, "Mysl'," 1964. 149 p. (MIRA 17:6)

SOBALEV, Ye. Ya., kandydat geagrafichnykh navuk.

Mogilev Province industries and the potentialities of their  
further development based on internal resources. Vesti AN BSSR.  
Ser. hram. nav. no.2:71-82 '57. (MIRA 10:8)  
(Mogilev Province--Industries)

SOBALEVA, A. D.

4-8048. Blood transfusion shock. H. M. Nemenova and A. D. Sobaleva *Sov. Probl. Gematol.*, 1954, 31, 20--22; *Referat. Zh. Biol.*, 1956, Abstr. No. 87192. The condition of shock resulting from transfusion of heterogeneous blood into dogs under anaesthesia was studied. After repeated transfusions under anaesthesia, degenerative changes were found in the cells of the cerebral cortex, kidney, and liver. The transfusion of heterogeneous blood under anaesthesia was not in all cases accompanied by clinically observable vaso-motor change. The anaesthetic, while reducing the severity of the clinical condition, did not however prevent the occurrence of the pathological changes characteristic of shock. In control dogs with cervical spinal section, who survived 12 days, there were profound pathological changes in the circulatory system, changes in the lungs resembling chronic emphysema, and dystrophic changes in the brain, medulla, and pons. Transfusing spinal dogs with heterogeneous blood resulted in death, and at autopsy widespread congestion and haemorrhage was found. When there is severe damage to the c.n.s. the severity of the damage from the transfusion is due to the destruction of the accommodative mechanisms of the circulatory system, which renders the animal defenceless against shock. (Russian) H. ASHES

SOBALSKI, Franciszek, mgr (Chestochowa)

The paper plant in Lojki near Chestochowa. Przegł papier  
19 no.10:331 0'63.

SOBALSKI, Franciszek (Czestochowa)

From the history of the paper tapestry plant in Czestochowa.  
Przegl papier 20 no. 5: 166-168 My '64.

MINI, I.

Problems of Teaching Machine Design

Source - PRILAD MECH. NICHNY (Mechanical Engineering Review) Poland  
Vol. XII, No. 10 October 1953, pp. 339-370

SOBAN, Darinko, dr.

Resuscitation measures in medical practice for the preservation of vital functions. Med. glas. 19 no.2/3:51-56 F-Mr '65.

1. Hirurska klinika Medicinskog fakulteta u Ljubljani (Upravnik: prof. dr. Benedek).

SOBANOV, A.G.

Interrelations between the state of the physical development and the incidence of disease. Nauch. trudy Kaz. gos. med. inst. 11: 47-48 '64. (MIRA 18:9)

1. Kafedra toksikologii (zav. - kand. med. nauk B.I. Feoktistov) Kazanskogo meditsinskogo instituta.

SOBANSKA-GOETZ, Maria

On underdeveloped optic disk. Klin. oczna 32 no.2:149-152 '62.

1. Z Kliniki Chorob Oczu AM w Lodzi Kierownik: prof. dr med.  
J. Sobanski.

(OPTIC NERVE abnorm)

Pruski, Aleksander; WOIHAT, Tadeusz

Spontaneous rupture of the esophagus in the course of gastric ulcer. Wlad. lek. 18 no.12:1025-1027 15 de '69.

I. 7 Oddzialu Chir. Szpitala PkP w Olstynie (Ordynator: dr. med. A. Sobanski).

SOBANSKI, Janusz; PASZKOWSKA, Maria; SOBANSKA-GOETZ, Maria

Expression of the lens as a method for the intracapsular extraction  
of hard cataract. Klin. oczna 32 no.2:157-160 '62.

1. Z Kliniki Chorob Oczu AM w Lodzi Kierownik: prof. dr med. J.  
Sobanski.

(CATARACT EXTRACTION)

SOBANSKI, Janusz, prof. dr. med.; ZELAWSKA-RYBISOWA, Helena; PASZKOWSKA,  
Maria; SOBANSKA-GOETZOWA, Maria

Binocular vision. Klin. oczna 35 no.2:247-250 '65.

1. Z Kliniki Chorob Oczu Akademii Medycznej w Lodzi (Kierow-  
nik: prof. dr. med. J. Sobanski).

HIRSZFELD-GOJACKA, Krystyna; SOBANSKA-SAWICKA, Halina

Investigations on auto-allergic phenomena in liver & kidney diseases.  
Polski tygod. lek. 14 no.14:613-615 6 Apr 59.

1. (Z I Kliniki Chorob Wewnętrznych A. M. w Lublinie; kierownik;  
prof. dr med. Mieczysław Gamski). Lublin, ul. Biernackiego 5.  
I Klinika Chor. Wewn.

(LIVER DISEASES, immunol.

leukergy after inject. of pathol. liver antigens (Pol))

(KIDNEY DISEASES, immunol.

leukergy after inject. of pathol. kidney antigens (Pol))

(LEUKOCYTES

leukergy after inject. of pathol. kidney & liver antigens  
in patients with liver & kidney dis. (Pol))

797. Палашиани Вазган Георгиевич. Исследования по механизму формирования дождевых туч в атмосфере. Диссертация на соискание степени кандидата наук. Тбилиси: ИГиГ АН Груз. ССР, 1954, 111 л.  
Защ.: 1954, 11.11.
798. Палиашвили Константин Иосифович. Харагистика метеорологических процессов в Грузии с точки зрения динамики атмосферных процессов. Тбилиси: ИГиГ АН Груз. ССР, 1948, 30 с.  
Защ.: 1948, 9.12.
799. Прагмшвили Георгий Мевакелович. Применение методов аэрофотограмметрической съемки в разведке геологической структуры ступенчатой формы. Тбилиси: ИГиГ АН Груз. ССР, 1940, 28 с. [4] Вып. А.
800. Савадзе Исосиф Иванович. Исследования энергетического спектра пролетающей частицы широты атмосферы на высоте 400 м. над уровнем моря. 1955, 72 с., 19 фот. (Инст. физики АН Груз. ССР).  
Защ.: 1956, 8.5.
801. Собакская Армада Ивановна. Симплектологическая структура дождевых туч в атмосфере. Диссертация на соискание степени кандидата наук. Тбилиси: ИГиГ АН Груз. ССР, 1954, 257 с. (Инст. географии АН Груз. ССР).  
Защ.: 1955, 23.11.
802. Сулакшадзе Георгий Константинович. Влияние физических факторов на образование и структуру снежного покрова Западной части Главного Кавказского хребта. Тбилиси: ИГиГ АН Груз. ССР, 1947, 9, 12.
803. Хелдемадзе Штепа Степанович. Исследования свойств и динамики микрометеорологических процессов. Тбилиси: ИГиГ АН Груз. ССР, 1956, 23 л.
804. Цикава Александр Аванович. Голограф S-P. По наблюдениям Тбилисской сейсмической станции. Тбилиси: ИГиГ АН Груз. ССР, 1941, 2 л.
805. Чатуршвили Леван Семенович. Исследование изменения относительной влажности воздуха в зависимости от температуры, влажности почвы и скорости ветра. Тбилиси: ИГиГ АН Груз. ССР, 1947, 111, 47 с., 18 рис.  
Защ.: 1948, 26.6.
806. Чкавадзе Шава Манасевич. Солнечная радиация и влажность атмосферы над горным курортом Ахалкалаки. Тбилиси: ИГиГ АН Груз. ССР, 1949, 24 л.  
Защ.: 1949, 24.6.
807. Чхенишвили Шала Мияевич. К вопросу радиационного баланса в атмосфере кристаллического моря. 1950, 19 с. (Инст. физики АН Груз. ССР).  
Защ.: 1950, 10.12.

200

Dissertation for degree of Candidate Physico-Mathematical Sciences

Def. at Tbilisi State U.

SOV/124 57 8 9170

A Method for the Determination of the Total Heat-energy Content (cont.)

between the levels  $p_0$  and  $p$  (in millibars) can be expressed by the formula

$$Q = 2.448 \int_{p_0}^p T dp \quad (11)$$

where  $T$  is the absolute temperature. Computations according to formula (11) are readily accomplished by planimentering the curve  $T = T(p)$  constructed from aerological-sounding data. This curve may be approximated by the piecewise linear function

$$T_i = a_i p + b_i, \quad p_{i-1} \leq p \leq p_i \quad (i=1, \dots, n)$$

The total error in the evaluation of  $Q$  according to the respective formula amounts to 15-17%.

L. S. Gandin

Card 2/2

S/774/60/001/000/005/012

AUTHOR: Sobanskaya, A. ✓

TITLE: Contribution to the calculation of the instability energy in the atmosphere.

SOURCE: Akademiya nauk Gruzinskoy SSR. Vychislitel'nyy tsentr. Trudy. Vy. 1. 1960, 167-170.

TEXT: The paper undertakes the evaluation of the total energy of the instability of the atmospheric stratification with reference to a vertically displaced small parcel of air, which constitutes one of the important problems of dynamic meteorology. The generally adopted graphic method of the Refsdal emagram is regarded as less than perfect, both in its accuracy and in the amount of time required for the calculation. The present paper provides the calculation scheme for the approximate evaluation of the following integral:

$$W = -R \int_{p_0}^p [T(x) - T'(x)] dx/x ,$$

where  $p$  is the prevailing static pressure,  $T$  is the air-parcel temperature, and

Card 1/2

Contribution to the calculation of the instability...

S/774/60/001/000/005/012

$T'$  is the ambient free-atmosphere temperature. The integral serves to calculate the potential instability energy of the rising air parcel. The calculation of the instability energy supply employs the values of the pressure which characterize the state of the atmospheric column at various elevations. Thus, the temperature difference in the integral is replaced by a Lagrangian interpolation polynomial and the potential-energy integral is thereby transformed into a number of additive terms. A numerical example is shown for a vertical atmospheric sounding in Tbilisi. There are 4 tables and 5 references (3 Russian-language Soviet and 2 English-language, of which 1 in Russian translation).

SUBMITTED: 30 October 1958.

Card 2/2

EXCERPTA MEDICA Sec 7 Vol. 11/6 Pediatrics June 57

1458. SOBAŃSKI A. Odd. Chir. Szpit. Powiatowego, Brodnicy. \*Kamica żółciowa i zapalenie pęcherzyka żółciowego u dzieci. Gallstones and gall-bladder inflammation in childhood POL. TYG. LEK. 1956, 11/22 (981-984)

According to the literature gallstones and gallbladder inflammations occur more often than is the general opinion. The symptoms are the same at all ages, but the diagnosis between 3-6 yr. is very difficult. The mistakes in diagnosis are about 50% and patients present as an acute abdomen, especially acute appendicitis. The children undergo the operation quite well and the results are very good. A girl of 7 suffered from gallstones and a girl of 13 from an acute gallbladder inflammation.  
Mazal - Brno

KOSMIDERSKI, Szymon; SOBANSKI, Alfred

Electrophoretic determination of blood proteins in  
Russtitskii-Kahler's disease. Polski tygod. lek. 11  
no.23:1024-1025 4 June 56.

1. Z I oddzialu chorob wewnetrznych Szpitala Miejskiego Nr 3w  
Chorzowie, ordynator: dr. med. Alfred Sobanski; z oddzialu  
hematologicznego Wojew. Szpitala Specjalistycznego w Stalino-  
rodzie, ordynator dr. med. Szymon Kosmiderski; z laboratorium Szpitala MSW  
w Stalino-rodzie, kier.: dr. med. Jozef Zurkowski, Szpital Miejski  
nr 3 w Chorzowie.

(MYELOMA, PLASMA CELL, blood in,  
proteins, electrophoresis (Pol))

(BLOOD PROTEINS, in various diseases,  
myeloma, plasma cell, electrophoresis (Pol))

SOBANSKI, Aleksander

Acute appendicitis in the second half of pregnancy, in labor and puerperium. Polaki przegl. chir. 28 no.1:49-58 Jan 56.

1. Z Oddziału Chirurgicznego Szpitala Powiatowego w Brodnicy  
Dyrektor i ordynator: dr. A. Sobanski Brodnica, ul. Wiejska 2.

(APPENDICITIS, diag.

in pregn., labor & puerperium. (Pol))

(PREGNANCY, compl.

appendicitis, acute, diag. (Pol))

(LABOR, compl.

same

(PUERPERIUM, compl.

same

EXCERPTA MEDICA Sec.18 Vol.2/4 Cardiovascular Dis. Apr 58

1182. *Dyslipidaemia and dysproteinemia in arteriosclerosis* Dyslipidemia i dysproteinemia w miazdzycy. SOBANSKI A. 1. Odd. Wewn. Szpit. Miejskiego Nr. 3, Chorzowa; Lab. Szpit. M.S.W., Katowice *Pol. Tyg. lek.* 1957, 12/30 (1144—1146) Graphs 4

The electrophoretic lipidoproteinic spectra of the blood serum were analysed in 50 patients in whom arteriosclerosis has been diagnosed by the clinical examination. A distinct hypoalbuminaemia and A- $\alpha_1$ -hypolipidoproteinaemia were observed, as well as marked  $\beta$ -hyperglobulinaemia and marked  $\beta$ -hyperlipidoproteinemia. The analysis of the spectrum of the blood serum lipids and proteins is an important auxiliary examination in the diagnosis of arteriosclerosis. (XVIII, 6)

SOBANSKI, Aleksander, dr. med.

Adenomatosis of the large intestine. Wiad. lek. 18 no.8:655-659  
15 Ap '65.

1. Z Oddziału Chirurgicznego Szpitala PKP w Olsztynie (Ordynator:  
dr. med. A. Sobanski).

SOBANSKI, H.

"Industrial and technical inorganic wastes used in the production of building materials." p. 370. (MATERIALY BUDOWLANE, Vol. 8, no. 12, Dec. 1953, Warszawa, Poland)

SO: Monthly List of the East European Accessions, L. C., Vol. 3, No. 5, May 1954, Uncl.

SCANNED

EXCERPTA MEDICA Sec.12 Vol.9/10 Ophthalmology Oct55

1545. SOBAŃSKI J. and SZOSLANDOWA W. Klin. chor. Oczu A. M., Łódź. \*Badania doświadczalne nad ustaleniem drogi odpływu płynu komorowego z galki ocznej. Experimental investigations on establishing the outflow of the aqueous humour from the eye-ball POST.OKU-LISTYKI 1954, 1 (34-42) Graphs 6 illus. 1  
The relations between experimental pressure on the eye on the level of the intra-ocular tension was observed. The occlusion of the aqueous or ciliary veins around the cornea increased this tension; in the latter case apparently more so. Szmyt - Łódź

EXCERPAT MEDICA Sec.12 Vol.11/10 Ophthalmology Oct57  
SOBANSKI J.

1667. SOBANSKI J. and ŚWIETLICZKO I. Klin. Chorób Oczu Akad. Med., Łódź.  
\* Przyczyny powstawania jaskry. The origin of glaucoma POST.  
OKULIST. 1956, 3 (31-47) Graphs 3

The interdependence of the outflow of the aqueous humour and the rise of the intra-ocular tension is stressed which take place in 2 successive stages of the disease. Then the known anatomical and functional data are discussed. The claim for prophylactic therapy is stressed. In order to determine the state of the outflow the side pressure method is performed on the eyeball. Szmyt - Łódź

SOBANSKI, Janusz; ZEIAWSKA, Helena

Causes of separation of the choroid from the sclera after intrabulbar surgery. Klin. oczna 27 no.3:285-288 1957.

1. Z Kliniki Chorob Oczu A. M. w Lodzi. Kierownik: prof. J. Sobanski  
(CHOROID, dis.  
detachment of choroid after intrabulbar surg., caused  
(Pol))  
(SCLERA  
detachment of choroid after intrabulbar surg., caused  
(Pol))  
(EYE, surg.  
intrabulbar surg. with postop detachment of choroid from  
sclera, causes (Pol))

SOBANSKI, Janusz (Lodz, ul. Narutowicza 119.)

Implantation of an acrylic lens in the anterior chamber of the eye to prevent astereoscopy in cases of unilateral aphakia. Klin. oczna 28 no.1:1 4 1958.

1. Z Kliniki Chorob Oczu A. M. w Lodzi Kierownik: prof. dr med. J. Sobanski.

(CRYSTALLINE LENS, abnormalities  
aphakia, unilateral, implant of acrylic lens to prevent  
astereoscopy (Pol))

SORANSKI, J.; ZEYDLER, L.

Effect of physiological sleep on the intraocular pressure in latent glaucoma. Klin. oczna 28 no.3:323-331 1958.

1. Z Kliniki Chorob Oczu A.M. w Lodzi Kierownik: prof. dr med. J. Sobanski. Adres autora: Lodz, ul. Narutowicza 119.

(GLAUCOMA, physiol.

eff. of sleep on intraocular pressure in latent glaucoma (Pol))

(SLEEP, eff.

on intraocular pressure in latent glaucoma (Pol))

SOBANSKI, Janusz; SULAT, Teresa

Treatment of burns of the eye in the eye disease clinic of the  
academy of medicine in Lodz during 1945-1959. Klin.oczna 30  
no.1:103-106 '60.

1. Z Kliniki Chorob Oczu A.M. w Lodzi. Kierownik: prof.dr med.  
J. Sobanski.

(EYE wds.& inj.)  
(BURNS ther.)

SOBANSKI, Janusz; GOETZ, Jerzy

On the treatment of juvenile glaucoma according to data of the  
Klinika Chorob Oczu A.M.L. collected from 1948 to 1959. Klin.  
oczna 30 no.3:237-240 '60.

1. Z Kliniki Chorob Oczu A.M. w Lodzi Kierownik: prof. dr med.  
J.Sobanski.

(GLAUCOMA in inf & child)

SOBANSKI, Janusz; DOMZAL, Barbara; SULTAN, Teresa; ZELAWSKA, Helena

On physiological development of primitive vision, fixation and  
binocular vision in man. Klin.oczna 30 no.4:361-364 '60.

1. Z Kliniki Chorob Oczu A.M. w Lodzi, Kierownik: prof. dr med.  
J.Sobanski.

(VISION physiol)

SOBANSKI, J

SOBAN'SKI, Ya. [Sobanski, J.]; DOMZHAL, V. [Domrsal, W.]; SULAT, T.;  
~~ZHELAVSKA-RYBUS, Ye. [Zelawska-Rybus, E.]~~

Development of "primitive vision", fixation and binocular vision  
in man. Uch.zap. GNI glaz.bol. no.7:201-202 '62. (MIRA 16:5)

1. Iz kliniki glaznykh bolezney (rukovoditel' - prof. Ya. Soban'ski)  
Meditsinskoy akademii v Lodzi, Pol'skaya Narodnaya Respublika.  
(VISION)

SOBAN'SKI, Ya. [Sobanski, J.]; SHOSLAND, V. [Szosland, W.]; ZEYDLER, L.  
[Zejdler, L.]; ZHELAVSKA-RYBUS, Ye. [Zelawska-Rybus, E.]

Causes of the development of astereoscopy, its clinical symptoms  
and treatment. Uch.zap. GNII glaz.bcl. no.7:203-207 '62.

(MIRA 16:5)

1. Iz kliniki glaznykh bolezney (rukovoditel' - prof. Ya. Soban'ski)  
Meditsinskoy akademii v Lodzi, Pol'skaya Narodnaya Respublika.  
(STRABISMUS)

SOBANSKI, Janusz; PASZKOWSKA, Maria; SOBANSKA-GOETZ, Maria

Expression of the lens as a method for the intracapsular extraction  
of hard cataract. Klin. oczna 32 no.2:157-160 '62.

1. Z Kliniki Chorob Oczu AM w Lodzi Kierownik: prof. dr med. J.  
Sobanski.

(CATARACT EXTRACTION)

SOBANSKI, Janusz; GOETZ, Jerzy

On extraction of incompletely absorbed secondary and traumatic soft cataracts with the aid of an iridic hook. Klin. oczna 33 no.3/4:397-399 '63.

1. Z Kliniki Chorob Oczu AM w Lodzi Kierownik: prof. dr med.  
J. Sobanski.

(CATARACT EXTRACTION)

SOBANSKI, Janusz; DOMZALA, Barbara; SULAT, Teresa; ZELAWSKA, Helena

On the treatment of squint (concomitant strabismus) in adolescents and adults. Klin. oczna 33 no.3/4:433-437 '63.

1. Z Kliniki Chorob Oczu AM w Lodzi Kierownik: prof. dr med.  
J. Sobanski.

(STRABISMUM) (THERAPEUTICS)

SOBANSKI, Jeruzs, prof. dr. med.; SZOSTAKO W, Maria; SZOSTAKO W, Barbara;  
BASZCZYNSKA-ZIELINSKA, Barbara

The causes of "primary" and "secondary" glaucoma. *Klin. oczna*  
35 no.2:179-181 '65.

1. Z Kliniki Chorob Oczu Akademii Medycznej w Lodzi (Kierownik:  
prof. dr. med. J. Sobanski).

SOBANSKI, Janusz, prof. dr. med.; ZELAWSKA-RIEBSOWA, Helena; PASZKOWSKA,  
Maria; SOBANSKA-GOETZOWA, Maria

Bincocular vision. Klin. oczna 35 no.2:247-250 '65.

1. Z Kliniki Chorob Oczu Akademii Medycznej w Lodzi (Kierownik: prof. dr. med. J. Sobanski).

SOBANSKI, Janusz, prof. dr. med.; ZEYNLEK-GRZEDZIELENSKA, Lucyna;  
WOJCIK, Jerzy

On the treatment of intraocular malignant melanomas. Klin.  
oczn. 35 no.2:347-371 1969.

1. Z Kliniki Głoch (Instytut Akademii Medycznej w Łodzi (Kierownik: prof. dr. med. J. Sobanski).

JAKUBOWSKI, Zdzislaw, doc. dr; SOBANSKI, Lucjan, dr inż.

Application of statistical methods to the evaluation of the  
accuracy of wood measurements in the pulp and paper industry.  
Przeł papier 20 no.12:403-405 D '64.

1. School of Agriculture, Poznan.

SOBANSKI, Lucjan

Changes in the structure of woodworking handicraft enterprises  
in Poland after World war. Przem drzewny 12 no.8:30-32 '61.

BETKOWSKI, Andrzej; SOBANSKI, Tadeusz

Intracranial complications during the course of otitis media in infants. Polski tygod.lek. 15 no.37:1409-1410 12 S '60.

1. Z Kliniki Laryngologicznej Sl. A.M. w Zabrze; kierownik: prof.  
dr med. T.Ceypek i z Kliniki Chorob Dzieci Sl. A.M. w Zabrze; kierownik:  
prof. dr med. A.Chwalibogowski  
(OTITIS MEDIA compl)  
(BRAIN dis)

CHWALIBOGOWSKI, Artur [deceased]; SOBANSKI, Tadeusz; ZAMBA, Jerzy

Detection of mucoviscidosis among children with chronic respiratory and/or digestive diseases. *Ibid.* Vol. 39 no.9: 1021-1024 S '64

Results of mass tests for minimal or residual cases of mucoviscidosis. *Ibid.*:1025-1029

1. Z Kliniki Chorob Dzieci Śląskiej Akademii Medycznej w Górnym Śląsku (Kierownik: prof. dr. med. A. Chwalibogowski [deceased]).

SOBANSKI, Tadeusz

3

URNAME, Given Names

Country: Poland

Academic Degrees: not given

Affiliation: Child Disease Clinic (Klinika Chorob Dzieci), Silesian School of Medicine (Sl. A. M., Slaska Akademia Medyczna), Zabrze;

Director: Prof. A. CHMALIBOGOWSKI, Dr.

Source: Warsaw, Przegląd Lekarski, Vol XVII, Ser II, No 8, 1961, pp 297-298.

Data: "A Catamnesis of Cases Subjected to Tonsillectomy."

Authors:

HAGER MALECKA, Bozena

SOBANSKI, Tadeusz

14

CHWALIBOGOWSKI, Artur, prof. dr. med. [deceased]; SOBANSKI, Tadeusz.

The value of corticosteroids in the therapy of rheumatic endo-  
myocarditis evaluated after prolonged observation. Reumatologia  
(Warsz) 3 no.1:43-48 1965.

1. Z Kliniki Chorob Dzieci Slaskiej Akademii Medycznej w Zabrze  
(Kierownik: prof. dr. med. A. Chwalibogowski [deceased]).

SOBANSKI, Tadeusz

Trial therapy of rheumatic fever with dithionitecarbazones  
(preliminary report). Reumatologia (Warsz) 3 no.1:49-52  
1965.

1. Z Kliniki Chorob Dzieci Slaskiej Akademii Medycznej w Zabrze  
(Kierownik: prof. dr. med. A. Chwalibogowski [deceased]).

USSR/Engineering - Welding, Aug 51  
Materials

"Electrodes for Building Up Cutting Tools and Machine Parts by Welding," A. I. Serpukrylov, D. Ya. Sobantsev, F. I. Bukhin, N. F. Varik, Engineers

"Avtogen Delo" No 8, pp 22,23

Discusses prep of components and methods for fabrication of heavy-coated metal electrodes and sintered-type electrodes. Materials for latter include wastes of poredite, voker, high-speed steel and its

200F55

USSR/Engineering - Welding, Materials Aug 51  
(Contd)

substitutes, ferroalloys, hypereutectoid carbon steel, chilled cast-iron chips, metallic cobalt, nickel and graphite. Manganese, silicon and titanium serve as binders for sintering electrodes.

SOBANTSEV, D.YA.

200F55

SOBANYAN, K. S.

3

U S S R .

Cobanyan, K. S. Stability of the plane form of bending beyond the elastic limit for an arbitrary law of hardening. Akad. Nauk Armyan. SSR. Izv. Fiz.-Mat. Estest. Tehn. Nauki. 6, no. 4, 1-20 (1953). (Russian. Armenian summary)  $W \approx F/W$

The critical length of a beam rendered partly plastic due to bending in a plane of symmetry is computed from the current torsional and flexural rigidities of the yielded section. The stress-strain law used is the small elastic-plastic deformation (total strain) form of Ilyushin [Plasticity, part I, OGIZ, Moscow-Leningrad, 1948; MR 12, 373] and the velocity distribution is assumed to be the same as that of the wholly elastic beam. Numerical values are given for the rectangular beam and for an I beam. The author seems unaware of the work of Neal [Philos. Trans. Roy. Soc. London. Ser. A. 242, 197-242 (1950)] who, incidentally, uses a more precise expression for the critical length, based on H. Reissner, S.-B. Berlin. Math. Ges. 3, 53-56 (1904).  
R. Haythornthwaite (Providence, R. I.)

*[Handwritten signature]*

IONESCU, I.; SOBARU, A. (Bukharest)

Development of internal trade in the Rumanian People's Republic.  
Sov. torg. 34 no.10:41-44 O '60. (MIRA 13:10)  
(Rumania--Commerce)

SOBARU, A.I.; S'AK, C., candidat in stiinte economice

Main ways for the reduction of circulation expenses. Probleme  
econ 15 no.2:47-60 F '62.

41006

S/058/62/000/009/032/069  
A006/A101

24754

AUTHORS: Pawlicki, Grzegorz, Sobaszek, Andrzej

TITLE: Investigating diffusion in metals with the aid of tagged atoms

PERIODICAL: Referativnyy zhurnal, Fizika, no. 9, 1962, 54, abstract 9E379  
("Pierwsze krajowe sympoz. zastosowań izotopów techn., Rogów,  
8 - 12 czer., 1960", Warszawa, 1961, no. 11, Polish; summaries in  
Russian and English)

TEXT: Ag<sup>110</sup> and Fe<sup>59</sup> isotopes were electrolytically applied onto polycrys-  
talline Ag and Ni specimens. The specimens were then annealed. The Kryukov and  
Zhukhovitskiy method and measurements of radioactivity were used to determine  
the coefficient of volumetric self-diffusion of Ag:  $D = (0.390 \pm 0.009) \exp .$   
 $(-44,000 + 2,500/RT)$  and the coefficient of heterodiffusion of Fe in Ni:  $D =$   
 $= (3.90 \pm 0.13) \cdot 10^{-4} \exp (-43,200 \pm 900/RT) \text{cm}^2 \cdot \text{sec}^{-1}.$

[Abstracter's note: Complete translation]

Card 1/1

P/516/62/000/027/002/004  
D207/D303

AUTHOR: Sobaszek, Andrzej

TITLE: A new method for determining the coefficient of diffusion along grain boundaries in a metal

SOURCE: Warsaw. Politechnika. Zeszyty naukowe, no. 63, 1962, Elektryka, no. 27, 75-86.

TEXT: A review is given of the current ideas on grain structure and its influence on diffusion in metals, with particular attention to J.C. Fisher's theory (J. Appl. Phys., 22, no. 1, 1951). This is followed by a description of a new method for measuring the grain-boundary diffusion coefficient  $D_B$  of a polycrystal. The method is similar to that of Kryukov and Zhukhovitskiy (Doklady Akad. nauk SSSR, 90, no. 3, 1955). A thin sample of length  $l$  ( $20 - 100\mu$ ) is coated on one side with a  $\beta$ -radioactive layer of thickness  $h \ll l$ . The intensity of  $\beta$ -radiation is measured on both sides of the sample ( $J_1$  and  $J_2$ ) after a time  $t$  during which the sample is kept at a constant high temperature. Using Fisher's theory the dependence of  $D_B$  on  $J_2/J_1$  and  $t$  is obtained from which  $D_B$  can be found provided  
Card 1/2

✓

A new method for determining ...

P/516/62/000/027/002/004  
D207/D308

one knows the lattice diffusion coefficient  $D_1$  and the adsorption coefficient for  $\beta$ -rays in the material of the sample. Acknowledgment is made to Professor Doctor C. Pawłowski, Director of the Radiology Department of the Warsaw Polytechnic, for directing the work and looking through the manuscript. There are 4 figures and 2 tables. ✓

ASSOCIATION: Katedra radiologii politechniki Warszawskiej  
(Radiology Department, Warsaw Polytechnic)

SUBMITTED: March 14, 1961

Card 2/2

P/516/62/000/027/003/004  
D207/D303

AUTHOR: Sobaszek, Andrzej

TITLE: Concept of effective temperature in diffusion processes

SOURCE: Warsaw. Politechnika. Zeszyty naukowe, no. 63, 1962, Elektryka, no. 27, 87-90.

TEXT: Systematic errors in determination of the diffusion coefficient may occur in the case when the maximum diffusion-anneal temperature  $T_m$  is reached slowly (e.g. in vacuum) and the cooling at the end of the annealing is gradual. To avoid these errors one should use an effective temperature  $T_D$  which is related to the variation of temperature  $T$  during the annealing period  $t$  and to the activation energy  $E$ . A fairly complex formula for this relationship is derived. A numerical example is given for  $E = 2 \times 10^4$  cal/g-atom and  $T_m = 600^\circ\text{K}$  (reached from  $500^\circ$  after 10 min, held for 70 min at  $T_m$ , cooling back to  $300^\circ\text{K}$  during next 100 min). Then  $T_D = 535^\circ\text{K}$  and  $T_{av} = 540^\circ\text{K}$  ( $T_{av}$  is the average temperature for the whole annealing run). If the diffusion coefficient is calculated using  $T = T_m$ ,  
Card 1/2 ✓

L 20576-66 EWP(t) IJP(a) JD

ACC NR: AP6012008

SOURCE CODE: PO/0046/65/010/09-/0541/0551

AUTHOR: Jagielak, Jan--Yagelyak, Ya.; Pawlicki, Grzegorz--Pavlitski, G.; Sobaszek, Andrzej--Sobashek, A. 25  
B

ORG: Department of Radiology, Warsaw Polytechnic Institute, Warsaw (Katedra Radiologii Politechniki Warszawskiej)

TITLE: Investigations on self-diffusion of indium<sup>21</sup> by absorption method, making use of the internal conversion electrons of sup <sup>114</sup>In

SOURCE: Nukleonika, v. 10, no. 9-10, 1965, 541-551

TOPIC TAGS: indium, electron

ABSTRACT: Results of investigations on the self-diffusion of indium are presented. These investigations were carried out by making use of internal conversion electrons of <sup>114</sup>In. At the absorbent thickness 1.6 to 11 mg/cm<sup>2</sup> Al, the absorption coefficient  $\mu = 779 \text{ cm}^{-1} \text{ Al}$  was obtained, with a relative average square error  $\Delta\mu/\mu = 6.5\%$ . Formulae are given for determining diffusion coefficient in the case when the function of the radiation absorption in material is a straight line. The formulas were compared with those of Steigman, Shockley, and Nix deduced for exponential form of absorption function. The measurements were made by applying the methods of Steigman, Shockley, and Nix on polycrystalline samples 99.9999% pure In at 130 to 149°C and a

Card 1/2 2

L 20576-66

ACC NR: AP6012008

value of  $8.0 \exp(-21.2 \pm 0.6/RT)$  cm<sup>2</sup>/sec was obtained for the self-diffusion coefficient. Orig. art. has: 6 figures, 4 formulas, and 2 tables. NA

SUB CODE: 18 / SUBM DATE: 25Nov64 / ORIG REF: 003 / OTH REF: 003  
SOV REF: 003

Card 2/2

BK

SOBAYEVSKIY, V.

AID P - 765

Subject : USSR/Aeronautics  
Card 1/1 Pub. 135 - 11/15  
Author : Sobayevskiy, V., Engineer Major  
Title : Preparation of aircraft special equipment for flights  
in complicated weather conditions  
Periodical : Vest. vozd. flota, 11, 80-83, N 1954  
Abstract : The author analyses the preparation of special equipment  
for flight, taking as an example the procedure in his  
unit. The electrical equipment is checked first, high  
altitude equipment, oxygen apparatus and automatic pilots  
follow. Some details concerning the equipment and the  
methods of keeping them in state of preparedness are given.  
Institution : None  
Submitted : No date

1.3.1.1.1, A. 1.

Area length: 10

Communication transmission on lines by the peoples of Western Africa. Dev. Ann. no. 2, 1974.

Journal of African Geography, Library of Theoria, August 1974. UNCLASSIFIED.

SOBCHENKO, A.I.

Liberia. Sov. etn. no. 4:95-108 '53.

(MLRA 6:12)  
(Liberia)

SOBCHENKO, A.I.

Ethnological collection of W.J.Junker on the peoples of Africa in  
collections of the Museum of Anthropology and Ethnography. Sbor.  
Muz.ant.i etn. 15:411-447 '53. (MLRA 7:4)  
(Junker, Wilhelm Johann, 1840-1892) (Africa-Antiquities)

SOBCHENKO, A.I.

Africa in recent American ethnological literature. Sov. etn. no. 3:  
143-153 '54. (MLBA 7:11)  
(Africa--Native races) (Africa--Relations (General with the  
United States) (United States--Relations (General) with Africa)

SOBCHENKO, A. I.

The Indian theater of Kathakali. Vokrug sveta no. 5:33-34 My '55.  
(India--Theater) (MIRA 8:6)

SOBCHENKO, A. I.

"Etnicheskiye protsessy v Kongo (Leonol'dvil') v XX v."  
report submitted for 7th Intl Cong, Anthropological & Ethnological Sciences,  
Moscow, 3-10 Aug 64.

SOBCHENKO, Aleksandra Viktorovna [Sobchenko, O.V.]; NEGOVSKIY, M.M.  
[Nehovs'kyi, M.M.], doktor biolog.nauk, otv.red.; SHVETS',  
S.I., red.

[Experience in obtaining high sugar-beet yields] Dosvid  
oderzhannia vysokyykh urozhaiiv tsukrovyykh buriakiv. Kyiv, 1960.  
29 p. (Tovarystvo dlia poshyrennia politychnyykh i naukovykh  
znan' Ukrain's'koi RSR. Ser.6, no.14). (MIRA 13:10)  
(Sugar beets)

RATAYCHAK, G.; SOBCHIK, L. [Sobozyk, L.]

Polarity of a hydrogen bonding in acid-base complexes. Zhur. strukt.  
khim. 6 no.2:262-270 Mr-Apr '65. (MIRA 18:7)

1. Kafedra fizicheskoy khimii Vrotslavskogo universiteta imeni  
Beruta, Vrotslav, Pol'sha.

0000 I, 1. 1.

"The Dielectric Polarization of Gypsum with a Hydrogen Bond."  
Gul' Sh. Gul, Moscow Inst of Fine Chemical Technology, Land N. V.  
Lomonosov, 27 Sep 54. (VI, 14 Sep 54)

SC: Sum 432, 27 Mar 55

SOBCHIK, S.

Training in landing approach on the course-and-glide angle  
system. Grazhd.av. 12 no.8:15-16 Ag '55. (MIRA 15:8)  
(Airplanes--Landing)

SOBCHUK, B. A.

USSR.

The effect of pterins on the consumption of oxygen by normal and cancerous tissues and on the growth of cancers in animal organisms. B. A. Sobchuk (Med. Inst., Lvov). *Ukrain. Biokhim. Zhur.* 1955, 24, 10-11. (English summary, 24) (1955).—Weakly alk. carbonate and acid phosphate solns. of pterin were injected into mice having spontaneous or exptl. Ehrlich or Brown-Pearce malignancies and into controls.

Xanthopterin in acid or alk. soln. reduces  $O_2$  consumption by normal tissues. In weakly acid soln. it lowers and in weakly alk. increases the  $O_2$  consumption by cancer tissues. The same is true of porphyropterin and iodopterin, 2 by-products of the process of xanthopterin synthesis. Porphyropterin arrests the growth of the malignancy and prolongs the life of mice with spontaneous C<sub>3</sub>H tumors. Xanthopterin and porphyropterin arrest the growth of Ehrlich carcinoma only slightly and do not delay death. Xanthopterin enhances the growth of Brown-Pearce sarcoma in rabbits, hastens the process of metastasis development, and shortens the animals' life. Brown-Pearce sarcoma grafts in rabbits injected with xanthopterin result in more frequent takes than in control rabbits. Porphyropterin reduces the frequency of such takes, impedes the process of metastasis, prolongs life, and increases the percentage of survivors. B. S. Levine

SOBCHUK, B.A.; POPOV, V.V.

Photometric determination of carboxyhemoglobin . Ukr.biokhim.  
zhur. 27 no.1:119-122 '55. (MLRA 8:6)

1. Kafedra zagal'noi gigiyeni i dafedra biokhimii L'vivs'kogo  
medichnogo institut.  
(Carboxyhemoglobin) (Photometry)

SOBCHUK, B. A.

The dynamics of the alkaline denaturation of hemoglobin derivatives of the blood of man and of animals. V. V. Popov and B. A. Sobchuk (Med. Inst., Lvov). *Ukrain. Biokhim. Zhur.* 28, 207-3 (Russian summary, 204) (1956).  
The rate of alkaline denaturation of oxyhemoglobin and of carbon monoxide hemoglobin differs with the blood of different animals and with the temp. The reaction of alkaline denaturation of hemoglobin derivatives, which theoretically offers possibilities for the quant. detn. of carbon monoxide hemoglobin is in fact of no practical value. The practical application of this reaction should be limited to the identification of hemoglobin derivatives in one animal species or of the same derivative of hemoglobin in different animal species.  
B. S. Levine

USSR/Human and Animal Physiology - Blood.

V-3

Abs Jour : Ref Zhur - Biol., No 2, 1958, 8483

Author : V.V. Popov and B.A. Sobchuk

Inst : -

Title : A Photometric Method for the Quantitative Determination of Carboxyhemoglobin (In Connection with the Article of L.E. Gorn)

Orig Pub : Physiol. zh. SSSR, 1956, 42, No 9, 825-826

Abstract : No abstract.

Card 1/1

G. G. GORBUNSKAYA, P.H.; KVIYATKOVSKAYA, Ye.S.; SOBCHUK, B.A.

Quantitative spectrophotometric determination of hemoglobin in  
Soret's spectrum [with summary in English]. Ukr.biofiz.zhur.  
29 no.2:321-374 '57. (MIRA 13:9)

1. Kafedra biokhimi L'vovskogo meditsinskogo gosudarstvennogo  
institute.

(HEMOGLOBIN--SPECTRA)

SOBCEUK, B. A.: Doc Biol Sci (diss) -- "The synthesis of xanthopterine and its side products and their effect on experimental tumors in animals". Kiev, 1959. 19 pp (Acad Sci Ukr SSR, Dept of Biol Sci), 200 copies (KL, No 15, 1959, 114)

SOBCHUK, B.A.; ILINICH, M.I.

Effect of phosphoric, pyrophosphoric, and adenosinetriphosphoric acid on respiration of Ehrlich's ascitic cancer cells. Ukr. biokhim. zhur. 32 no.4:570-577 '60. (MIRA 13:9)

1. Kafedra biokhimi L'vovskogo meditsinskogo instituta.  
(CANCER) (RESPIRATION) (PHOSPHATES)

СЕРГЕЕВ, В. А., СУВИЧ, Л. Л., И ИТКОВИЧ, М. А. (USSR)

"The influence of TI and Insuline on the Carbohydrate  
Metabolism of Ehrlich ascite Cells and Nucleated  
Erythrocytes (read by title)."

Report presented at the 5th International Biochemistry Congress,  
Moscow, 10-16 August 1961

SOBCHUK, B.A. [Sobchuk, B.O.]; ILINICH, M.I.

Mechanism of the effect of glucose on cell respiration in  
Ehrlich ascites carcinoma. Ukr. biokhim. zhur. 33 no.4:551-562  
'61. (MIRA 15:6)

1. Department of Biochemistry of Lvov Medical Institute.  
(GLUCOSE) (CANCER)  
(CELL METABOLISM)

SOBCHUK, B.A.; DOLOSHITSKIY, L.M. [Doloshyts'kyi, L.M.]; GLADYSHCHENSKAYA,  
T.N. [Hladyshevs'ka, T.M.]

Carboxymyoglobin in rats during acute carbon monoxide poisoning.  
Ukr. biokhim. zhur. 33 no.6:848-855 '61. (MIRA 14:12)

1. Department of Biochemistry and Department of General Hygiene  
of Lvov Medical Institute.  
(CARBON MONOXIDE--PHYSIOLOGICAL EFFECT) (MYOGLOBIN)

SOBCHUK, B.A., prof.; MARTYNYUK, V.Z., prof.; DATSENKO, I.I., dotsent;  
STOROSHCHUK, Kh.V.

Methods for determining the carboxyhemoglobin in the blood for  
mass studies. Vrach.delo no.10:112-115 O '62. (MIPA 15:10)

1. Kafedra obshchey gigiyeny (zav. - prof. V.Z.Martynyuk) i  
kafedra biokhimii (zav. - prof. B.A.Sobchuk) L'vovskogo meditsin-  
skogo instituta.  
(CARBOXYHEMOGLOBIN) (BLOOD ANALYSIS AND CHEMISTRY)

GANITSKIVICH, M.I. [Hanitkevych, M.I.]; ILINICH, M.I. [Ilinych, M.I.];  
SOBCHUK, B.A.

Effect of adenosine triphosphate and pyrophosphate on carbohydrate  
metabolism in Ehrlich's ascitic cells and nuclear erythrocytes.  
Ukr. biokhim. zhur. 35 no.6:909-917 '63. (MIRA 18:7)

1. Kafedra biokhimii L'vovskogo gosudarstvennogo meditsinskogo  
instituta.

SOBCHUK, M.A.; GLADYSHEVA, T.I.

Spectrophotometric determination of carboxymyoglobin. Ukr. Biokhim.  
zhur. 36 no.3:462-468 '64. (MLA 17:10)

1. Kafedra biokhimii L'vovskogo meditsinskogo instituta.

USSR/Human and Animal Physiology - Blood. Formed Elements.

F-3

Abs Jour : Ref Zhur - Biol., No 18, 1958, 84029

Author : Popov, V.V., Sobchuk, G.A.

Inst : -

Title : Dynamics of Alkaline Denaturation of Hemoglobin Derivatives in People and in Animals.

Orig Pub : Ukr. biokhim. zh., 1956, 28, No 3, 260-264

Abstract : The feasibility of utilizing the Goppe-Zeyler alkaline denaturation (AD) reaction in order to identify  $O_2Hb$  and  $COHb$  with the purpose of a quantitative determination of  $COHb$ , was studied. Effects of NaOH and KOH upon Hb derivatives was demonstrated by the diversity of their denaturation speed. AD speed for  $O_2Hb$  and  $COHb$  is not the same in people, dogs, rabbits, and guinea pigs. Within each of these species it varies according to temperatures. AD reaction cannot be practically applied for a quantitative determination of  $COHb$  and is merely of theoretical interest. -- M.B. Goldberg

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KHAYRULLIN, V.K.; SOBCHUK, T.I.

Preparation and isomerization of mixed esters of  
1-chloro-3-( $\beta$ -chloroethoxy)isopropylphosphorous acid. Izv. AN  
SSSR. Otd. khim. nauk no. 2: 320-328 F '63. (MIRA 16:4)

1. Institut organicheskoy khimii AN SSSR, Kazan'.  
(Phosphorous acid) (Esters)

KHAYRULLIN, V.K.; KURYLEVA, M.A.; SOBCHUK, T.I.

Preparation of mixed esters of phenylphosphinic acid. Izv.  
AN SSSR. Ser. khim. no.6:1083-1085 '65.

(MIRA 18:6)

1. Institut organicheskoy khimii AN SSSR, Kazan'.

L 25616-66 EWT(m)/EWP(j) RM

ACC NR: AP6016112

SOURCE CODE: UR/0062/65/000/011/2010/2013

AUTHOR: Khayrullin, V. K.; Sobchuk, T. I.20  
BORG: Institute of Organic Chemistry, AN SSSR, Kazan' (Institut organicheskoy khimii AN SSSR)

TITLE: Production and rearrangement of mixed esters of phenyltert-(1,1,1-trichloro)-butylphosphorous acid

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 11, 1965, 2010-2013

TOPIC TAGS: ester, organic phosphorous compound, halogenated phosphorous compound, aliphatic alcohol

ABSTRACT: The reaction of the dichloride of tert-(1,1,1-trichloro)butylphosphorous acid with phenol yielded chiefly the chloride of mixed phenyltert-(1,1,1-trichloro)butylphosphorous acid, which, in contrast to mixed chlorides of phosphorous acid produced from unsubstituted aliphatic alcohols, exhibits practically no rearrangement of its radicals during repeated distillation. The reaction of the chloride of phenyltert-(1,1,1-trichloro)butylphosphorous acid with alcohols in the presence of triethylamine in anhydrous ether medium yielded phosphites with three different alkoxyls. The chloride does not react with 2,6-dimethylphenol, probably on account of the presence of steric hindrances. All the mixed esters obtained react exothermally with cuprous chloride, giving complex compounds. The rearrangement of the mixed esters of phenyltert-(1,1,1-trichloro)butylphosphorous acid with methyl iodide proceeds with the splitting out of a

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UDC: 542.91+542.952.1+661.718.1

L 25616-66 -

ACC NR: AP6016112

light, unsubstituted aliphatic radical and leads to the formation of the phenyltert-(1,1,1-trichloro)butyl ester of methylphosphinic acid. Phenyltert-(1,1,1-trichloro)butylphosphorous acid was produced by saponification of its chloride; this acid is added to chloral to give the phenyltert-(1,1,1-trichloro)-butyl ester of alpha-hydroxy-beta,beta,beta-trichloroethylphosphinic acid.

Orig. art. has: 2 tables. [JPRS]

SUB CODE: 07 / SUEM DATE: 22Jul63 / ORIG REF: 009

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2/2 FV